

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE 03/03584

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G05B G05D G07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 710 902 A (FOXBORO CO) 8 May 1996 (1996-05-08) page 6, line 43 - page 9, line 12 -----	1,2
X	US 5 598 076 A (NEUBAUER WERNER ET AL) 28 January 1997 (1997-01-28) column 6, line 6 - column 7, line 16 -----	1
X	EP 0 531 712 A (BODENSEEWERK GERAETETECH) 17 March 1993 (1993-03-17) column 3, line 7 - column 4, line 27 -----	1
A	US 2003/018399 A1 (PICHE STEPHEN ET AL) 23 January 2003 (2003-01-23) -----	
A	US 6 216 048 B1 (LIANO KADIR ET AL) 10 April 2001 (2001-04-10) -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

9 June 2004

Date of mailing of the international search report

17/06/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/03584

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0710902	A	08-05-1996	US 5566065 A DE 69511991 D1 DE 69511991 T2 EP 0710902 A1	15-10-1996 14-10-1999 18-05-2000 08-05-1996
US 5598076	A	28-01-1997	WO 9312475 A1 DE 59205627 D1 EP 0616706 A1 JP 7501643 T	24-06-1993 11-04-1996 28-09-1994 16-02-1995
EP 0531712	A	17-03-1993	DE 4130164 A1 DE 59206775 D1 EP 0531712 A2 NO 923522 A	18-03-1993 22-08-1996 17-03-1993 12-03-1993
US 2003018399	A1	23-01-2003	US 6065525 A US 6278899 B1 US 6047221 A US 5933345 A US 2003014131 A1 US 6381504 B1 AU 733463 B2 AU 3132197 A CA 2254733 A1 DE 69717987 D1 DE 69717987 T2 EP 0897560 A1 JP 2000510265 T KR 2000010791 A WO 9742553 A1 US 2003028265 A1 US 2003088322 A1 US 6487459 B1 US 2003078684 A1 US 2003065410 A1 US 6493596 B1 US 6438430 B1 US 2004059441 A1	23-05-2000 21-08-2001 04-04-2000 03-08-1999 16-01-2003 30-04-2002 17-05-2001 26-11-1997 13-11-1997 30-01-2003 21-08-2003 24-02-1999 08-08-2000 25-02-2000 13-11-1997 06-02-2003 08-05-2003 26-11-2002 24-04-2003 03-04-2003 10-12-2002 20-08-2002 25-03-2004
US 6216048	B1	10-04-2001	US 5825646 A AU 6669594 A CA 2161655 A1 EP 0696372 A1 WO 9425933 A1 AU 6358394 A CA 2157198 A1 EP 0687369 A1 WO 9420887 A2 US 5781432 A	20-10-1998 21-11-1994 10-11-1994 14-02-1996 10-11-1994 26-09-1994 15-09-1994 20-12-1995 15-09-1994 14-07-1998